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BPS Machinery & Spares Ltd.—Lathe has pitch-correcting mechanism (N) ..... Aug. 22 19

Bailey Meter Co.—Pressure transmitter (SP) ..... Dec. 19 55

Baird Machine Co.
Complete springs in 1-2-3 operation (PD) ..... Nov. 14 68
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Baker Perkins—Dough-mixer—retractable seal makes cleaning easy (PD) ..... Nov. 28 41

Baldwin - Lima - Hamilton — Radiotelescope—rotating shaft (N)...Sept. 12 20

Baldwin-Lima-Hamilton Electronics and Instruments Div.—NBS calibrates giant load cell (N) ..... July 25 21

Baldwin - Lima - Hamilton's Industrial Equip. Div.—Navy's radiotelescope —22½ tons of bearing alignment (N) ..... Aug. 15 17

Barber Coleman—Rolling machine ..... Sept. 26 44

Barden Corp.—High-temperature bearings (SP) ..... Aug. 22 54

Barnes Engineering Co.—Radiometer for Tiros II (N) ..... Dec. 12 16

Barry Wright Corp. Barry Controls Div.—Heavy-duty neoprene mounts (SP) ..... Nov. 21 117

Battelle Memorial Institute
Chemical resistance of zirconium, titanium, tantalum and 316-stainless steel (DD) ..... Mid-Sept. B68
Electrolysis shapes toughest alloys 10 times faster (N) ..... Nov. 14 17
Mobile homes—new designs (T) ..... July 25 24
Molybdate coatings promise whiteness plus safety (D) ..... Oct. 31 6
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Rail guides car for tunnel police (PD) ..... Dec. 12 61
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Battelle Memorial Institute Consumer Products Div.—Belleville springs for constant braking power. T. M. Trainer ..... Sept. 12 62

Battersea College of Technology—Belt friction and shaft load. O. R. Fendrich (DD) ..... Mid-Sept. E208

Bechtel Corp.—Plastics to replace sheet-metal in heat exchangers (D) ..... Aug. 15 6

Bell Aerosystems Co.—Mach 2 jet with V/STOL (N) ..... Dec. 19 16

Bell, F. W. Inc.—Gaussmeter (T) ..... Oct. 3 24

Bell Helicopter Corp.—Noisy sound. M. M. Kawa Jr. (DD)....Mid-Sept. A32

Bell & Howell Co.
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Zooming is motorized in this camera (PD) ..... Oct. 31 42

Bell System—World-wide satellite communication network proposed (N) ..... Aug. 22 18

Bell Laboratories
Electronics runs phone exchange (N) ..... Nov. 28 19
Light-wave communication a definite possibility (N) ..... Oct. 31 15

Bernard—Truck cab with lines like TV receiver (T) ..... Dec. 12 24

Biach Industries Inc.—Bolts stretched for tight fit (PD)..... Sept. 19 75

Bijur Lubricating Corp.—Circulating lubrication system (SP)..... Aug. 22 54

Bingham, Colonel S. H., Consultant Engineers—Section modulus charts find beam dimensions faster. Louis De Monge (DF) ..... Nov. 7 77

Blackhawk Mfg. Co.—Hydraulic floor jack lengthened (T)..... Oct. 31 24

Bodine Electric Co.—How to control speed of FHP motors (DD) ..... Mid-Sept. H390

Boeing Airplane Co.
A-blast shock waves studied (N) ..... Dec. 19 17
Creep-tester holds 15 specimens at a time (N) ..... July 18 15
De-ionized water cures ills of coating methods. Ray Bloomberg (N) ..... Oct. 31 17
Engineers reject new contract offer (N) ..... Sept. 26 18
Graphite combinations are stronger, more heat-resistant (N)..... July 18 9
New way to bend thin-wall aluminum (N) ..... Oct. 24 16
Oil-mist lubrication for air bearings. C. R. Adams..... Aug. 29 54
Quartet of ideas improves welding (N) ..... Oct. 24 22
Solar-powered thermoelectric converters (D) ..... Aug. 1 10

Boeing Aerospace Div.—Ceramic graphite body forms its own protective coating (N) ..... July 11 21

Borg-Warner Corp. Pesco Products Div.—Portable electric generator (T) ..... Nov. 14-24, Dec. 26 20

Boston Fire Dept. Moon Island Training School Laboratory—Cause found for space heater explosion (N)..Nov. 28 18

Bowen Itco Inc.—Seal-ring assembly (SP) ..... Dec. 19 55

Brazilian National Confederation of Industry—Vera, Dr. Francisco (PV) ..... Dec. 19 21

Brewer Machine & Gear Co.—Rotatable arm tensions drive (SP)..... Aug. 8 24

Brigham Young University—New treatment boosts silicon carbide's compressive strength (D)..... Nov. 7 6

Bristol Siddeley Engines (England)—Ball screws operate at 750 F without lubrication (D) ..... Aug. 15 8

Britain's Atomic Energy Research Establishment—Nylon wins in permeability tests (N)..... Dec. 19 9

Britain's Electrical Research Association—New data to guide electrical design (N) ..... Aug. 22 12

Britain's Machine Tool Advisory Council—Reject mass production as cure for machine-tool woes (N) ..... Dec. 5 17

Britain's National Engineering Lab—Frictionless flowmeter offers high accuracy at low rates (D)...Dec. 19 6

British Non Ferrous Metals Assn.—Machine makes possible straighter strip (D) ..... Sept. 26 6

British Petroleum Ltd.—Low-cost process promises high-quality lubes (D) ..... Dec. 5 6

BP Trader - John Thompson - Leyland—Land tanker redesigned from stem to stern (N)..... Nov. 7 17

British Scientific Instrument Research Assn.—British firms pool R&D (N) ..... Aug. 22 19

British Standards Institute—Sanders, T. R. B. (PV)..... Dec. 19 20

British War Office Armament R&D Establishment — Solder can induce thermal stress cracking in steel (N) ..... Aug. 15 9

Broken Hill Pty Ltd.—Australian research promises better cold-drawn steel (N) ..... July 4 10

Brookfield Engineering Labs, Inc.—How to classify fluids by viscosity. R. A. Minard (DD) ..... Mid-Sept. J495

Brookhaven National Laboratories — Fused salts as heat-transfer media (D) ..... Oct. 10 8

Brooks Stevens Associates—When the industrial designer encounters an engineering problem ..... July 11 24

Brown-Boveri—Electronic control system for planer (N) ..... Nov. 21 16

Brown (David) Industries Ltd.—Contract to sell gear-hobbing machines to Russia (N) ..... Dec. 19 17

Brown & Sharpe Mfg. Co.
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Brown & Sharpe Mfg. Co. Double A Products Co. — High-torque, low-speed fluid motor (SP)..... Nov. 28 52

Brush Crystal Co.—Piezoelectric transformers (D)..... Dec. 26 8

Bryant Chucking Grinder Co.—Rubberized fabric belt on feeder...Sept. 26 48

Budd Company Instrument Div.
A double-deck resistance strain gage. Felix Zandman..... Oct. 10 55
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Photoelastic rosette separates principal strains directly. F. R. Park (N) ..... Oct. 17 17
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Visual strain gage does work of three. Felix Zandman..... Oct. 24 42

Bulova Watch Co. Inc.—Transistorized tuning fork runs wristwatch (PD) ..... Oct. 24 50

Burroughs Corp.—Sorter-reader handles checks in a hurry (PD).....July 25 51

Byelorussian Institute of RR Transportation—Checkered bearings under test (D) ..... Dec. 5 8

Cairo University Production Engineering Dept.—Journal-bearing design. Dr. G. S. A. Shawki..... Aug. 1 31

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(N) Technical News. (PD) Product Design. (PV) Points of View. (RA) Reports from Abroad.
(SP) Significant Parts. (T) Trends in Appearance Design. (W) From Washington.

California Computer Products Inc.—Computer-processed digital information plotted with X-Y recorder (T) Oct. 31 25

California Institute of Technology—Fluorine plastic lubricates vacuum system (N) Nov. 7 9

Mossbauer effect: key to precision measurement (N) Aug. 1 11

New alloys for research (N) July 18 9

Caltech, Div. of the Space Sciences Jet Propulsion Laboratory—Hibbs, Albert R. (PV) Nov. 21 24

Cambridge Filter Products—Disposable interception filter (SP) Dec. 26 60

Canada's National Research Council—Precision thermometry shows trace-element effects (N) Aug. 1 11

Canadian Patents & Developments Ltd.—Drum-type direct-reading dial designed (D) Aug. 22 8

Simplified sine/cosine potentiometer (D) July 4 6

Canadian Standards Association—20-hour days, 200° circles—next step for metric system? J. H. McKay Aug. 15 46

Carborundum Co.

Zirconium—finding wider application because it resists corrosion (N) July 4 19

Zirconium alloy to boost reactor efficiency (N) July 25 9

Carlton Machine Tool Co.—Multiple spotlights on machines Sept. 26 50

Carnegie Institute of Technology—Heat-resistant polymers—research boom (N) Sept. 5 9

Carrosserie Carrier—Suspension system cushions stretcher (PD) Aug. 15 47

Case Institute—Tests pave the way for tougher plastics (N) Sept. 5 9

Caser of Pavia—Turret drill (N) Dec. 5 15

Catalytic Combustion Corp.—Low-temperature infrared heat (SP) Dec. 26 60

Cegielski Works (Poland)—Circular saw for cutting rolled materials (N) Aug. 15 15

Central Institute of Industrial Research—Lottery machine guarantees random selection (D) Nov. 7 8

Central Machine Tool Design Office (Poland)—Copying milling machine (N) Aug. 15 15

Central Scientific Co.—Gage measures and controls vacuum systems continuously (T) July 11 25

Chance Vought Aeronautics Div.

Hard harness for easier wiring. N. R. Lay July 11 64

Turbofans replace turboprops (N) Oct. 31 16

Chance Vought Electronics Div.—Radar device cuts noise (N) Oct. 3 16

Char-Lynn Co.—High-torque hydraulic motors (SP) Nov. 21 117

Chemetron Corp. National Cylinder Gas Div.—Flame hardening. B. G. Ward Jr. (DD) Mid-Sept. D171

Chrysler Corporation

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Engineers given math of designing car seats (N) Nov. 14 17

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Cincinnati Milling Machine Co.

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Product planning is a rarity in machine tools. R. S. Latham (T) Sept. 6 22

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Transfer machine has welded 3-D A-frame Sept. 26 50

Tubing integrated into design Sept. 26 41

Cincinnati Milling Machine Cimtrol Div.—Radial-piston motor Sept. 26 42

Citroen—Engine improvements highlight '61 models. Arthur Erikson (N) Sept. 19 17

Clark Controller Co.

Ac load-monitoring device (SP) Sept. 12 78

Photoelectric temperature control (SP) Oct. 10 80

Clevite Corp.—Ceramic relays (D) July 11 6

Clevite Corp. Brush Instruments Div.—Angular-motion transducer (SP) July 4 52

Clevite Corp. Cleveland Graphite Bronze Co. Div.

Ceramic sparks ignition when squeezed (PD) Nov. 21 93

Piezoelectric ignition to spark small engines (N) Oct. 24 17

Clifton Precision Products Co. Inc.—Miniature position transducer (SP) Oct. 31 64

Clinton Engines Corp.—Kart component (PD) Dec. 19 41

Cole Electric Co.—Self-aligning electrical connectors (SP) July 11 86

Colson Corp.—"Fifth wheel" does the work for loaded vehicle (P) Oct. 10 64

Columbia Gas Co.—Aircraft jet engine to pump natural gas (N) Dec. 5 21

Columbia-Southern Chemical Corp.—Low-corrosion rate of Ti-Pd alloy confirmed (N) Aug. 15 21

Columbia Technical Corp.—100%-solids epoxy coating operates to 311 F (SP) Oct. 17 84

Columbia Univ. Mechanical Engineering Dept.—Which metric system? Carl F. Kayan Aug. 15 44

Combination Double A Products Co.—Hydraulic valves supply own manifold (PD) Dec. 5 81

Combination Pump Valve Co.—Valve for 6000 psi (SP) July 18 82

Comet Industries—9 heat-forming techniques for plastic sheet. R. E. Kostur (DD) Mid-Sept. D164

Commonwealth Scientific and Industrial Research Organization

Multi-element thermal transducers developed for higher-order transfer functions (D) Nov. 7 6

Thermal time-delay (D) Oct. 10 6

Comptometer—Handwriting by phone: the two rivals. Wallace & Cross (N) Sept. 19 20

Conrad-Carson Inc.—Resistor responds to gas molecules with dipole moment (SP) Oct. 10 80

Consolidated Electrodynamics Electro Mechanical Instrument Div.—Push-button transmission has sure touch (PD) Dec. 26 48

Consul Watch Factory—Dial-less wrist watch (T) Sept. 5 25

Continental Industries Inc. Continental Vending Machine Co. Div.—Coffee brewer—coin-operated, self-cleaning (PD) Aug. 8 36

Cornell University

Carbon films head for X-ray windows (N) Dec. 5 9

New rubber compositions improve electrical insulation (D) Sept. 12 6

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Cornell Aeronautical Laboratory

Magnetic Integrator Neuron Duplicator to speed perceptron (N) July 11 17

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Corning Glass Works Electronic Components Dept.—Photosensitive glass & chemical machining. Nicholas Lazar July 11 66

Croxton & Garry Ltd.—Aluminum wool improves molded plastics (D) Oct. 10 6

Crucible Steel Co. of America—Manganese-aluminum magnets promise high strength at low cost (D) Dec. 12 8

Crucible Steel Co. of America Midland Works—European vacuum degasser makes cleaner steel faster (N) Dec. 19 19

Cunningham, James, Son & Co. Inc.—Pushbutton crossbar switch (SP) Oct. 3 60

Custom Machine Co.—Pulsation pump (SP) Nov. 28 52

Cyril Bath Co.—Prestretch makes panels stiffer (PD) Nov. 28 42

Dahl, George W. Co. Inc.—Indicating and loading valve (SP) Dec. 19 55

Dailey, Don, Assoc.—Encapsulating mercury cells of voltage-reference battery (T) Oct. 31 25

Daimler-Benz—Forms joint research unit with Maybach Motorenbau (N) Aug. 29 21

Dampney Co.—Silicone and silicone-ceramic coatings for up to 1400 F (SP) Aug. 1 55

Dana Corp.—"Universal" lubricant (D) July 18 8

Danly Machine Specialties—Air manifolds Sept. 26 42

Data Systems Dept. Norden Div.—Linear display (SP) Aug. 29 95

Davale Coupling Co.—Miniature, flexible four-way coupling (SP) Aug. 1 55

Deere and Co.—Tractor adjusts itself to farm work (PD) Dec. 5 78

Denison, R. B. Mfg. Co.—Air-operated actuator (SP) Aug. 15 66

Department of Scientific and Industrial Research (England)

British firms pool R&D (N) Aug. 22 19

When plastics burn . . . E. H. Coleman (DD) Mid-Sept. A40

Design Analysts—Freeze-dryer for biological specimens (T) Aug. 8 20

Deutsch Co. Hydraulic Components Div.—High-pressure coupling (SP) Oct. 10 80

Dialled Despatches Ltd.—Pneumatic carrier routed by acoustics (N) July 11 15

Diamond Ordnance Fuze Laboratories—Polymers show outstanding dielectric properties (D) Nov. 7 8

Diamond Research Laboratories—Diamond thermistors resist corrosion and abrasion (D) Aug. 8 10

Dick, A. B. Co.—Monoscope character-generator (N) Aug. 15 21

Digital Equipment Corp.—Logic-circuit kit (T) Dec. 12 25

Dillon, W. C. & Co. Inc.—Subminiature force-control switch (SP) Aug. 8 54

DoAll Co.—Donut-shaped cutter slices friable material (N) Aug. 22 16

Dodge, F. W. Corp.—Merger with McGraw-Hill nears (N) Dec. 12 20

Dole Valve Co.—Dimension analysis of helical compression springs. Nicholas Miller Oct. 24 52

Dominion Aluminum Fabricating Ltd.—Equations for 3 tapered cantilever beams. W. R. Petri July 25 52

Douglas Homs Co.—Table-top paper cutter (T) Oct. 3 24

Dow Corning Corp.

Parts molded of filled silicone (SP) Nov. 7 80

Single-crystal silicon (SP) Oct. 10 80

Dow Corning Corp. Silastic Fabrication Laboratory—Silicone rubber molds for short-run castings. H. A. Smith Dec. 26 50

Dubo-Borgringen of Holland—New shape for retaining rings (D) Dec. 26 8

Dunn Engineering Co.—Kart component (PD) Dec. 19 41

DuPont E. I. de Nemours & Co.

Columbium alloy shows resistance to heat, corrosion (D) July 11 8

New resin family coming up (N) Nov. 28 12

Spray-on ceramic resistors (D) Sept. 12 8

Synthetic-rubber adhesive improves panel assemblies (D) Oct. 3 8

Teflon film can be cemented with common adhesives (SP) Nov. 7 81

Du Pont Pigments Dept.—High-temperature potassium titanate fiber (D) Sept. 5 6

Dynamic Gear Co. Inc.—Speed-reducers and gearheads (SP) Aug. 1 55

Eagle Electric Manufacturing Co. Inc.—Why not ac switches for ac circuits. Ronald Munroe Oct. 24 39

Edison, Thomas A. Industries Instrument Div.—Your choice of recycling timers. E. F. King Aug. 8 48

Eden Industrial Products—Rubber stamp has remote control (PD) Nov. 21 94

Eichner, L. C. Instruments—Portable interferometer for polished surfaces (PD) July 18 67

Elmco Corp.—Hinged tracks steady tractor (PD) Aug. 15 47

Ekstrom, Carlson & Co.

Fluorescent ring lamp on profiling machine Sept. 26 50

"Logic" panel milling machine Sept. 26 38

Elastic Stop Nut Corp of America—Vibration resistance of thread locking devices. Bronson & Faront Oct. 10 58

Electric Autolite Co.—Nuclear-fuel elements made better, less costly (N) July 4 16

Electric Indicator Co. Inc.—Digital indicators eliminate positioning errors (SP) July 25 67

Electrical Mfg. Co. Ltd.—Overload protectors for solid-state rectifiers (D) July 18 6

Electrical Product Development—High-temperature electrical equipment. J. A. Clark Sept. 26 56

Electrical Remote Control Co. Ltd.—Automated timers control multiple circuits (D) Dec. 19 8

Electronic Controls Inc. ECI Mfg Div.—Drive for X-Y axis control (SP) Oct. 10 80

Electro-Optical Systems Inc.

Ion engine has 19 'cylinders' (N) Nov. 14 20

Optical shutter based on dimensional change (D) Sept. 5 6

Zarem, Dr. A. M. (PV) July 4-20, Nov. 21 24

Electro Tec Corp.—Those versatile slip rings. George Merker Sept. 19 65

Electrotechnical Laboratory of Japan—Computer reported (RA) July 25 12

Elektro-Mechanik GmbH

Electro-hydraulic edge control (N) Nov. 21 17

Rapid-reversing geared magnetic-particle clutch (N) Nov. 21 16

Elgeet Optical Co.—TV serves as second microscope (N) Dec. 26 19

El-Tronics Inc. Monarch Electric Div.—Dual-element cartridge fuses (SP) Nov. 14 82

Emerson & Cuming—Silicone and epoxy-silicone rubbers vulcanize at room temperature (SP) Sept. 5 66

Engelhard Industries, Inc.

Fundamentals of slip-ring assemblies (DD) Mid-Sept. I439

Overspeed control for machines uses frangible element (D) Oct. 24 6

Engineers Joint Council—Engineering graduates still find jobs plentiful (N) Aug. 8 15

EnJay Chemical—Low-cost resins for coatings and molded parts (D) Sept. 26 6

Esso Research & Engineering—Wax tester (N) Nov. 14 9

Euco Tools Ltd—Hydraulic nut has dual holding system (D) Sept. 19 8

European Nuclear Energy Agency—Nuclear ship project (N) Oct. 31 20

European Productivity Agency—Will distribute Soviet translations (N) Nov. 7 17

European Productivity Agency Committee on Applied Research—Plans research-spending study (RA) July 25 12

Executone Inc.—Permanent-magnet relay for printed circuits (D) Sept. 12 6

FG Miles Ltd.—Pressed Steel Co. forms association (N) Nov. 21 20

(A) Abstract. (D) Developments. (DD) Design Digest. (DF) Design File. (Ed) Editorials.
(N) Technical News. (PD) Product Design. (PV) Points of View. (RA) Reports from Abroad.
(SP) Significant Parts. (T) Trends in Appearance Design. (W) From Washington.

Fabrionics Corp. — Tubeless voltmeter measures static electricity (D) Aug. 29 6

Fairbairn, Lawson, Combe and Barbour Ltd. — Special-shape cams reduce speed smoothly (PD) Dec. 26 47

Fairbanks-Morse, Magneto Div. — Kart component (PD) Dec. 19 39

Fairchild Controls Corp.—Miniature pressure transducer (SP) Oct. 31 65

Farrand—Inductosyn (linear resolver) Sept. 26 38

Fawick Corp. Fawick Hydraulic-Electronic Div.
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Feedback Ltd.—Servo set for research (N) Oct. 10 9

Felten & Guilleaume Carlswerk A. G.—Hilgendorff, Dr. Hans J. (PV) Dec. 19 21

Fenwal Inc.—Explosion protection system (N) Oct. 10 21

Ferranti Co.—Linear optical gratings for machine-tool controls Sept. 26 38

Ferranti Electric Inc. Electronics Div.—Modular block-type reader (SP) Nov. 7 80

Ferro Powdered Metal Inc.—Combination of metals gives faster cutting (N) Nov. 28 16

Fiat—Station wagon has engine under floor (N) Aug. 8 19

Fiberfil, Inc.—Reinforced molding powder (SP) Aug. 15 66

Fibrous Glass Products Inc.—Stronger glass fiber products for Space Age (D) Nov. 28 8

Flanders Filters Inc.—Basic information on air filtration (DD) Mid-Sept. A35

Flexonics Corporation—How to avoid metal-hose failure. L. B. Donkie July 25 43

Fluid Drive Engineering Co.—Hydraulic couplings affect gear and shaft selection. Joseph Seliber Aug. 22 46

Foil Process Corp.—Bonded-foil members offer high strength, light weight (D) Nov. 28 9

Ford Foundation
Seeks to beef up Western nation R&D. Seth Payne (N) Oct. 31 15
Supplements engineering grants (N) July 25 17

Ford Motor Co.
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Executive pleads for graduates who can solve problems (N) Dec. 12 16
Prototype truck floats even with a full load (N) Aug. 8 17
Smaller car to be produced overseas? (N) Sept. 12 21

Ford Motor Co. Aeronutronic Div.—Magnetic Integrator Neuron Duplicator to speed perceptron (N) July 11 17

Ford Motor Co. Scientific Laboratory
Austenitic "cold working" for ultra-strength steel. D. J. Schmatz & others (DD) Mid-Sept. B64
Ference, Dr. Michael Jr. (PV) Nov. 21 25
Metal-bonded graphite—new bearing materials. Felix Giordano (N) Nov. 7 16

Foster Grant Co. — Nylon with finer crystalline structure (SP) July 18 82

Foxboro Co.—¼-in. hand cone valve (SP) Aug. 29 95

Frankford Arsenal—Hard, hi-temp iridium coatings (D) Nov. 14 6

Franklin Electric Co. Inc.—Aluminum integral motor (SP) Nov. 21 117

Fritz-Thyssen Foundation—German family forms foundation (N) Aug. 8 16

Fuji Heavy Industries—Subaru (N) Nov. 14 15

Fullmer Research Institute—Tests confirm strength loss in coated metals (N) Oct. 3 9

Furniture Dynamics Inc.—Hospital bed (T) Dec. 12 25

Galileo of Florence—Instantaneous-development photo-recorder (RA) Oct. 31 10

Garrett Corp. AiResearch Div.—Low-speed fan cools electronic gear quietly (N) Oct. 3 21

Gast Manufacturing Corp.—15 jobs for pneumatic power (DD) Mid-Sept. J506

Gaylord Products Inc. Research Div.—Motion detector senses low speed (SP) Sept. 5 66

Geartight Unions Ltd.—Simplified plug has dual locking action (D) Dec. 12 8

Gems Co. Inc.—Flow switch (SP) Oct. 10 80

General Controls Co.—Ray, J. F. (PV) Aug. 1 21

General Dynamics Corp. Convair Div.
Atlas-Centaur vehicle has heat-resistant fiberglas nosecone (N) Aug. 22 17
Dynamic response of remote pressure pickups. Reid & Kops (DD) Mid-Sept. H401
Ignorance about metals may hold back supersonic transports says R. J. Patton (D) Dec. 26 9
Spray cools black boxes (PD) July 4 33

General Dynamics Corp. General Atomics Div.
Cerium sulfide: ultrahigh-temp semiconductor? (N) Sept. 5 9
Cesium-cell thermionic converter gives 90 w (N) Aug. 29 16

General Electric Co.
Compactron to replace radio, TV tubes (N) July 11 16
Electroluminescent panels provide choice of colors (D) Aug. 8 10
Electrolytic technique doubles strength of copper (D) Oct. 31 8
Lexan—new forms of polycarbonate resin promise unusual properties. Bruce Frisch (N) Oct. 3 17
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New process increases plastic's oxidation resistance (D) Nov. 28 9
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Speedup in engineering. J. F. Young July 25 60
Tunneling takes on another assignment (N) Dec. 12 20
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General Electric Defense System Dept.—Monitor for guided missile performance (N) July 25 17

GE's General Engineering Laboratory
New way to predict electrical failure (N) Dec. 19 9
Supercold brings "no loss" motor (D) Dec. 5 6
Tunnel diode monitors light intensity (N) July 4 19

General Electric Co. Instrument Dept.—Heat illumination for instrument dials. P. B. Troup Oct. 3 41

GE's Metallurgical Dept. — New-oxide magnets (D) Nov. 21 8

GE Military Electronics Dept.—Hydraulic-actuator study (N) Nov. 7 9

GE Missile & Space Vehicle Dept.—Thickness testers for non-magnetic and paramagnetic coatings (N) Oct. 17 9

GE's Power Tube Dept.—One generator thrives on other's waste energy (N) Dec. 26 12

GE Research Lab—Structure seen key to better ceramics (N) Sept. 12 9

GE Silicone Products Dept.—One-step molding and curing to improve silicone rubber parts (D) Aug. 1 6

GE Specialty Control Dept.—"Mark (century" numerical control (N) Aug. 15 16

General Electric Co Ltd.—Thermoelectric cooler research (N) Dec. 26 18

General Mills—Heavy shielding and agile manipulators characterize the Beetle (N) Dec. 26 15

General Motors Corp.
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How do you "style" cars at GM? William L. Mitchell (PV) Aug. 15 24
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Prototype truck floats even with a full load (N) Aug. 8 17

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GM Allison Div.—Chemical-energy storage to replace batteries? (D) Oct. 24 8

General Motors Cadillac Motor Co.—New Cadillac (N) Nov. 14 21

General Motors Chevrolet Div.
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Casts aluminum by low-pressure method (N) July 4 16
Readies new engines for smaller compacts. G. E. Tobes (N) Dec. 12 20

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Oldsmobile's F-85 and Buick's Special (N) Aug. 22 17

General Motors Corp. Pontiac Div.
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General Motors Corp. Research Laboratories
Design curves for journal bearings. D. F. Hays (DD) Mid-Sept. F272
Gyroscopic machine yields better fatigue data. Dr. R. S. Hanson Dec. 19 42
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General Nuclear Engineering Co.
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Bismuth—new reactor gamma shield (N) Sept. 12 20
Roughened surfaces improve heat transfer (N) July 25 9

General Precision, Inc.—Better accelerometers off the shelf. R. J. Cohen Sept. 5 54

General Precision Inc. Kearfott Div.—How good are random-wave vibration tests? C. G. Stradling Dec. 5 82

General Precision Librascope Div.—Epoxy guards printed circuits (N) Aug. 1 19

General Radio—Strobe-light Sept. 26 39

Gibson-Egan Co.—Glass-filled nylon or styrene (SP) Oct. 31 64

Gilson Brothers Co.—Power lawnmowers (T) Nov. 14 25

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Glass, Henry Assoc.—Home-on-wheels, accordion style (T) Aug. 8 20

Globe Industries Inc.—Adjustable interval timer (SP) Dec. 12 87

Go Kart Mfg. Co. Inc.—Kart component (PD) Dec. 19 40

Goodyear Aircraft—Value engineering—do your own. R. A. Murray July 11 61

Goodyear Tire & Rubber Co.
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Test tires leave telltale trails (N) Dec. 19 17

Goodyear Tire and Rubber Co. Research Div.—Arc lamp tests experimental rocket liners (N) Oct. 17 16

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